REMARKS

Claims 1-4, 6-8, 10 and 13-16 have been amended to clarify the subject matter regarded as the invention. New claims 17-18 have been added. Thus, claims 1-4, 6-8, 10 and 13-18 are now pending.

In the Final Office Action, the Examiner objected to the Drawings and to the Specification. A proposed drawing of Fig. 2 has been submitted for Examiner's approval. It is respectfully submitted that Java as a programming language is known to those skilled in the art. As such, there is no need to accompany Java by "generic terminology."

Although the Examiner withdrew the rejection of claims under 35 U.S.C. §101 and U.S.C. §102 (b), the Examiner has maintained some or all rejections under 35 U.S.C. §112, 35 U.S.C. §102 (b), U.S.C. §103. Claims have been amended to further clarify the subject matter regarded as the invention. It is respectfully requested that the Examiner withdraw all rejections under 35 U.S.C. §112.

In the Final Office Action, the Examiner has maintained the rejection of claims 1-3, 7, 11 and 12 under 35 U.S.C. §102(a) as being anticipated by ColdFusion 4.0 software product documents. In doing so, the Examiner has asserted that the ColdFusion 4.0 software product, developing web applications with ColdFusion ("*CFSET*") teaches a pageContext object for the page that includes a mapping of scripting variables to values. The Applicant respectfully reiterates the arguments previously submitted and maintains that *CFSET*'s discussion of creation and use of variables in a page does not teach a pageContext object for the page that includes a mapping of scripting variables to values in the context of the invention. Furthermore, it is respectfully submitted that *CF Advanced* also fails to teach an object that includes a method that returns a list of available scripting variables and a variable type associated with each variable in the context of the invention.

Still further, There is no teaching or suggestion in *CFSET* or *CF Advanced* with respect to aTagExtraInfo object which includes a method that returns a list of available scripting variables and a variable type associated with each scripting variable that is defined or modified by its associated action tag. Thus, it is respectfully submitted that the claimed invention is patentable for this additional reason. In addition, there is no

teaching or suggestion in *CFSET* or *CF Advanced* with respect to a pageContext object including a mapping of at least one scripting variable to a value that is or can be represented in the tag library, thereby allowing synchronization of the at least one scripting variable between the page and the tag library by using the mapping. Thus, it is respectfully submitted that the claimed invention is patentable for yet another reason.

Accordingly, it is respectfully submitted that claim 1 and its dependent claims are patentable for at least these reasons. Furthermore, independent claims 7 and 14 recite similar features as those recited in claim 1. Accordingly, it is respectfully submitted that claims 7 and 14 and their dependent claims are patentable over the cited art for similar reasons.

Based on the foregoing, it is submitted that claims 1-4, 6-8, 10 and 13-16 are patentably distinct over the cited art of record. Additional limitations recited in the independent claims or the dependent claims are not further discussed as the above-discussed limitations are clearly sufficient to distinguish the claimed invention from the cited art. Accordingly, it is respectfully requested that the Examiner withdraw all the rejections.

Applicant believes that all pending claims are allowable and respectfully requests a Notice of Allowance for this application from the Examiner. Should the Examiner believe that a telephone conference would expedite the prosecution of this application, the undersigned can be reached at the telephone number set out below.

If there are any issues remaining which the Examiner believes could be resolved through either a Supplemental Response or an Examiner's Amendment, the Examiner is respectfully requested to contact the undersigned attorney at the telephone number listed below.

Applicants hereby petition for an extension of time which may be required to maintain the pendency of this case, and any required fee for such extension or any further fee required in connection with the filing of this Amendment is to be charged to Deposit Account No. 500388 (Order No. SUN1P254).

Respectfully submitted,
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1. (Twice Amended) A computer system for automatic synchronization of scripting variables between a page including action tags and a tag library, the computer system comprising:

a page suitable for building an application with dynamic web content, the page including one or more action tags;

a tag library;

[a pageContext object for the page, the pageContext object including a mapping of scripting variables to values; and]

a TagExtraInfo object for each action tag **in the page**, the TagExtraInfo object including a method that returns a list of available scripting variables and a variable type associated with each **scripting variable that is defined or modified by its associated action tag;**

a pageContext object for the page, the pageContext object including a mapping of at least one scripting variable in the list of available scripting variables to a value that is or can be represented in the tag library, thereby allowing synchronization of the at least one scripting variable between the page and the tag library by using the value provided in the mapping.

2. (Once Amended) The **[mechanism] computer system** of Claim 1, wherein when the page is translated, a translator consults the TagExtraInfo object to obtain the list of available scripting variables.

3. (Twice Amended) The **[mechanism] computer system** of Claim 2, wherein the pageContext object is created when the page is executed.

4. (Twice Amended) The **[mechanism] computer system** of Claim 3, wherein the TagExtraInfo object comprises:

a valid **[Java™]** object name for each variable;

a **[Java™]** type for each variable; and

a scope parameter that specifies a variable's scope relative to the page.

6. (Twice Amended) The **[mechanism]** **computer system** of Claim 1, wherein the page **[is a JavaServer™ page]** **is executed on a server that implements a container, and the page is converted to a platform independent code that is executed on the server**.

7. (Twice Amended) A method for automatically synchronizing scripting variables between a page including one or more action tags and a tag library, the method comprising:

creating for each action tag **included in the page** a TagExtraInfo object that **[contains]** **includes** a list of available scripting variables and a variable type associated with each **scripting** variable **that is defined or modified by its associated action tag**;

translating the page by referring to the list of scripting variables in the TagExtraInfo object associated with each action tag in the page;

executing the page; **[and]**

creating for the page at execution, a pageContext object that **[contains]** **includes** a mapping of scripting variables to values **that are or can be represented in the tag library**; **and**

synchronizing the scripting variables between the page and the tag library by using the values that are provided in the mapping of the PageContext object.

8. (Twice Amended) The method of Claim 7, wherein the TagExtraInfo object comprises:

a valid **[Java™]** object name for each variable;

a **[Java™]** type for each variable; and

a scope parameter that specifies a variable's scope relative to the page.

10. (Twice Amended) The method of Claim 1, wherein the page **[is a JavaServer™ Page]** **is executed on a server that implements a container, and the page is converted to platform independent code that is executed on the server.**

13. (Twice Amended) A computer readable media including computer program code for automatically synchronizing scripting variables between a page including one or more action tags and a tag library, the **[method]** **computer readable media** comprising:

computer program code for creating for each action tag **included in the page** a TagExtraInfo object that contains a list of available scripting variables and a variable type associated with each variable **that is defined or modified by its associated action tag**;

computer program code for translating the page by referring to the list of scripting variables in the TagExtraInfo object associated with each action tag in the page;

computer program code for executing the page; and

computer program code for creating for the page at execution a pageContext object that contains a mapping of scripting variables to values **that are or can be represented in the tag library**; **and**

computer program code for synchronizing the scripting variables between the page and the tag library by using the values that are provided in the mapping of the PageContext object.

14. (Twice Amended) A computer readable medium as recited in claim 13, wherein the TagExtraInfo object comprises:

a valid **[Java™]** object name for each variable;

a **[Java™]** type for each variable; and

a scope parameter that specifies a variable's scope relative to the page.

15. (Once Amended) A computer readable medium as recited in claim 13, wherein **[the tag library does not know which scripting language is used to create the page] the page is converted to a first programming code which is different than a second programming code that is used to implement the tag library**.

16. (Once Amended) A computer readable medium as recited in claim 13, wherein the page **[is a Javaserver™ Page] is executed on a server that implements a container, and the page is converted to a platform independent code that is executed on the server**.

17. (New) A computer system as recited in claim 1, wherein the page is converted to a first programming code which is different than a second programming code that is used to implement the tag library.

18. (New) A method as recited in claim 7, wherein the page is written in a first programming code which is different than a second programming code that is used to implement the tag library.

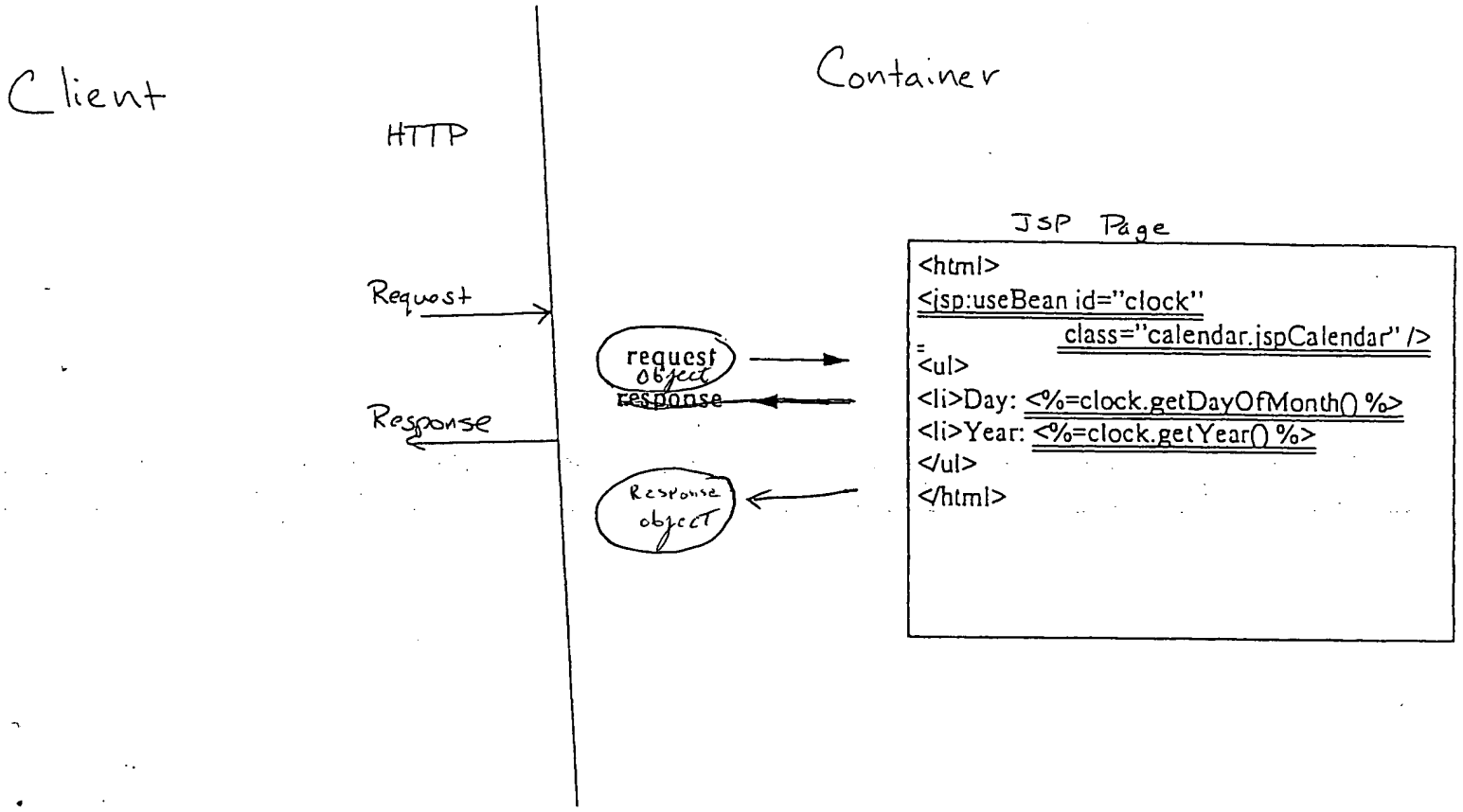

Figure 2